

CLIMATE CHANGE Setting the Scene



Image Sourcewww.climatecentral.bshowyourstripes





PART 1

CLIMATE CHANGE BUSINESS IMPACT





Delhi suffers at 49C as heatwave sweeps India

() 16 May 2022





Mekong coffee growers struggle with drought and heating climate

Drought aggravated by climate change is hurting coffee growers in the Mekong region, and intensive farming techniques are part of the problem



'Not enough water': Cambodia's farmers face changing climate

Communities around Southeast Asia's biggest lake are feeling the effects of droughts and rising demand for land.



Pakistan floods 'made up to 50% worse by global heating'

Study says climate crisis likely to have significantly increased rainfall and made future floods more likely



QUESTION 1

Do you foresee any business impacts from climate for your fund, and if so over what time horizon?

- a. No, I do not think climate will impact my business.
- b. Yes, it impacts business already
- c. Yes, it will impact business in the next 1 to 5 years.
- d. Yes, it will impact but only more than 10 years from now.







Top 5 Global Risks in Terms of Likelihood



DROUGHTS, WATER STRESS, FLOODING

Singapore limited domestic availability of water resources Rising global temperatures have changed rainfall patterns, which affect the amount of water collected and stored in reservoirs.

India flooding in 2021 cost \$3.2 billion, affects 50,000 people Cambodia Temperature rise and associated heat stress are likely to cause Cambodia's GDP to reduce by at least 10% by 2050.

DROUGHTS, WATER STRESS



Uganda: more droughts in already dry areas.

Drought conditions in 2010/2011 damage value of \$1.2 billion (7.5% of 2010 GDP) Singapore: limited domestic availability of water resource Rising global temperatures have changed rainfall patterns, which affect the amount of water collected and stored in reservoirs.

Rwanda: eastern and central areas are expected to experience increased aridity and drought

Photo bYODAAdamaronUnsplash

FMC



A warmer climate increases the spread of malaria and dengue: mosquitos can live in places they could not before. In SouthEast Asiadengue and Zika are rising public health challenges







Coffee is highly sensitive to weather variations.

10







LIVELIHOODS



500 MLN SMALL FARMS MOST AFFECTED









QUESTION 2

Where will the biggest pressure come from on your fund to act on climate change?

- a. Regulation & supervision
- b. Government policies
- c. Investors
- d. Investees
- e. Activists
- f. other









Fundraisingpportunities

Governments/IDBsDFIsandtheprivate sectorommitncreasing amountsoclimateobjectivesobridgethefinancegap



At \$630 billion a year, climate finance is a fraction of what's needed for developing countries. (global climate financing, US\$ trillion)



PART 2

CLIMATE CONCEPTS





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97 DOCTORS

tell you to give a specific treatment to your sick child. Is it wise to go with the HREE DOCTOWN tell you something different?







FMO

Entrepreneurial Development Bank



TRANSITION TO A LOWARBON ECONOMY



2010 2020 2030 2040 2050 2060 2070 2080 2090 2100



TRANSITION TO A LOWARBON ECONOMY





REMOVE CARBON TO BALANCE OUT REMAINING EMISSIONS









A small number of countries contribute the vast majority of greenhouse gas emissions, with the

top 10 emitters accounting for over two-thirds

of annual global greenhouse gas emissions.





MITIGATION REDUCE EMISSIONS THAT CAUSE CLIMATE CHANGE

https://www.flickr.com/photos/nrel/35966221470

CLIMATE CHANGE CONTRIBUTION VS. IMPACT





Contribution to climate change



vulnerability to the impacts of climate change







ADAPTATION ACTION TO REDUCE THE RISKS OF CLIMATE IMPACT

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QUESTION 3

To what extent does your fund have a solid awareness and understanding of how climate change may affect business in the next 10 years?

- a. Not at all, there is a lot to do
- b. Some, we started, but can do more
- c. Good enough for now







CLIMATE CHANGE

TCFD as a model for assessing climate risks an opportunities









FMO

Entrepreneurial Development Bank



CLIMATE RISK MANAGEMENT: WHY IS IT DIFFICUL THE TIME HORIZON CHALLENG



Photowww.flickr.com/photos/herbraab/20279078454/



PHYSICAL RISK DIRECT & INDIRECT TRANSMISSION

142.94 MEN

DANGER BOTTOM LANDINGS SLIPPERY AND SEA ROUGH ENTRY TO BOTTOM LANDING IS <u>STRUCTLY PROHIBITED</u> BE WARNED



TRANSITION RISK DIRECT & INDIRECT TRANSMISSION

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GOVERNANCE Explain your governance around climate change **STRATEGY** Explain actual & potential impact of risks & opportunities on business, strategy & financial planning **RISK MANAGEMENT** Explain how you identify, assess & manage climate risk (scenario analysis) Which metrics & targets do you use to manage risks and opportunities? **METRICS & TARGETS**





GREEN FINANCE BEYOND CLIMATE



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GREEN FINANCE OPPORTUNITIES EXIST IN ALL SECTORS





FMO's Green Taxonomy

FMO Entrepreneurial Development Bank

FMO's FI green definition is aimed at encompassing those investments that:

- i) reduce greenhouse gas emissions;
- ii) increase resource efficiency;
- iii) preserve and grow natural capital; and/ or
- iv) support climate adaptation.

FMO's FI green definition is therefore beyond energy-related investments ...



THANK YOU

WA

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ANNEX

ADDITIONAL SLIDES